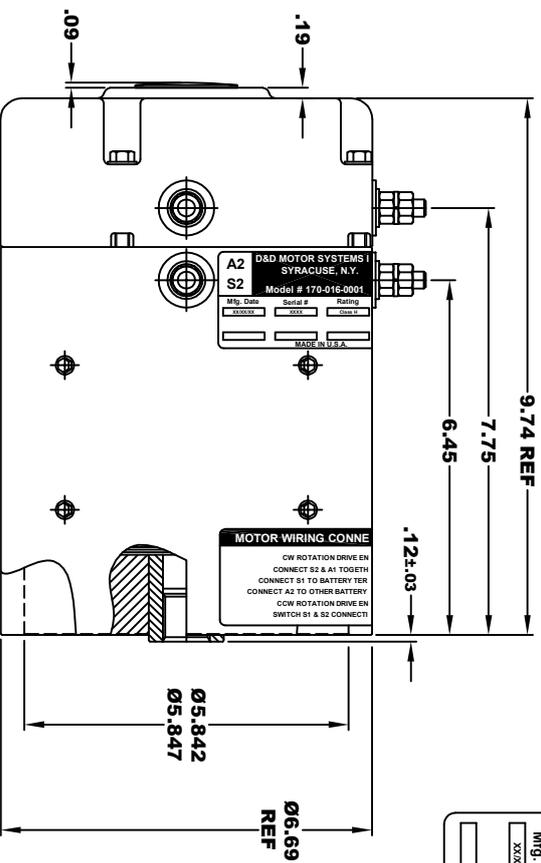
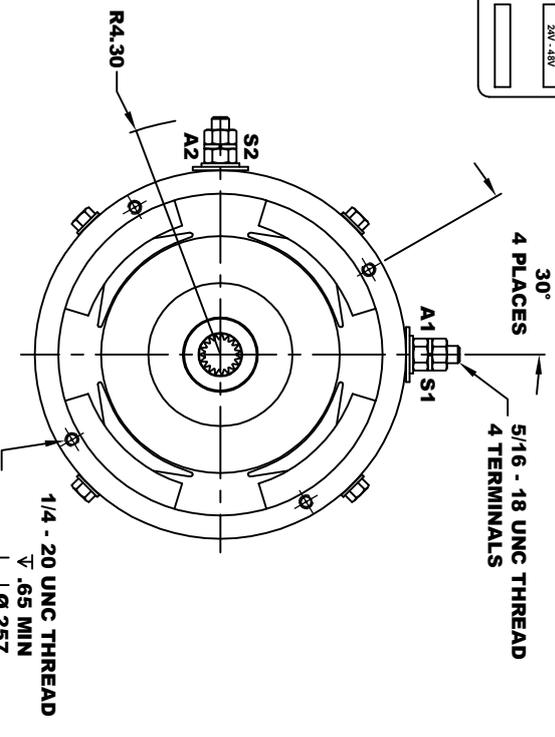


<b>D&amp;D MOTOR SYSTEMS INC.</b>			
<b>A2</b>	<b>SYRACUSE N.Y.</b>		<b>A1</b>
<b>S2</b>	<b>Model # 170-016-0001</b>		<b>S1</b>
Mfg. Date	Serial #	Rating	Voltage
XXXXXX	XXXX	CLASS H	2V - 48V
MADE IN U.S.A.			

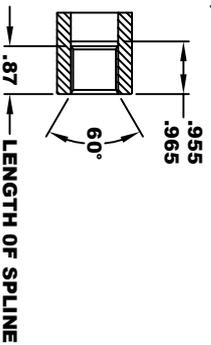


**TORQUE SPECIFICATION FOR POWER CABLE SECURING TOP NUTS**  
5/16-18 UNC - 110 IN / LBS MAX

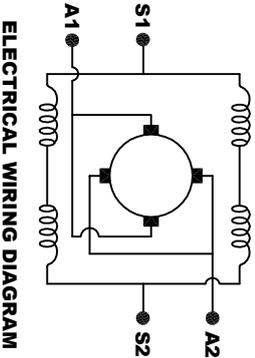


**INTERNAL INVOLUTE SPLINE SPECIFICATION**  
CLASS 5 FILLET ROOT SIDE FIT (PER A.N.S.I. B92.1)

- NO. OF TEETH \_\_\_\_\_ 19
- SPLINE PITCH \_\_\_\_\_ 24 /48
- PRESSURE ANGLE \_\_\_\_\_ 45°
- BASE Ø \_\_\_\_\_ .5597 REF
- PITCH Ø \_\_\_\_\_ .7916 REF
- MAJOR Ø \_\_\_\_\_ .850 - .859
- FORM Ø \_\_\_\_\_ .835
- MINOR Ø \_\_\_\_\_ .767 - .772
- CIRCULAR SPACE WIDTH \_\_\_\_\_ .0764
- EFFECTIVE SPACE WIDTH \_\_\_\_\_ .0738
- MAX. DIMENSION BETWEEN TWO PINS \_\_\_\_\_ .6714
- PIN Ø \_\_\_\_\_ .0800
- SPLINE HARDNESS TO BE RIC 26-34



**MOTOR WEIGHT: 53 LBS**  
**CLASS "H" INSULATION**  
**PERFORMANCE SPEC: 25**



**ELECTRICAL WIRING DIAGRAM**

**MOTOR WIRING CONNECTIONS:**

- CW ROTATION DRIVE END
- CONNECT S2 & A1 TOGETHER
- CONNECT S1 TO BATTERY TER
- CONNECT A2 TO OTHER BATTERY TERMINAL
- CW ROTATION DRIVE END
- SWITCH S1 & S2 CONNECTIONS

**D & D MOTOR SYSTEMS INC**

**MOTOR OUTLINE**

THIS PRINT IS THE PROPERTY OF D&D MOTOR SYSTEMS INC.  
DO NOT SCALE  
WORK TO DIMENSIONS  
TOLERANCES UNLESS OTHERWISE SPECIFIED ARE AS FOLLOWS  
XX \_\_\_\_\_ .01  
XXX \_\_\_\_\_ .005  
XX ROUGH CASTING \_\_\_\_\_ .03  
HOLES \_\_\_\_\_ .001 / +.006  
ANGLES \_\_\_\_\_ -0.30°

SIZE	DRAWN DATE	RELEASE DATE	DWG NO. / PART NO.	REV
B	12-20-02	11-02-23	170-016-0001	
SCALE	STF	DRAWN BY	MJG	ES-51-25
				REV DATE